

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
 Data File : BF122708.D
 Acq On : 14 Dec 2020 16:21
 Operator : JU/CG
 Sample : L5066-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JBD-BOLLARDS-0-6

Manual Integrations
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mohammad
 12/17/2020 9:46:51 AM

Quant Time: Dec 14 23:52:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	137249	20.00	ng	0.00
21) Naphthalene-d8	8.139	136	334717	20.00	ng	# 0.01
39) Acenaphthene-d10	9.910	164	176670	20.00	ng	0.03
64) Phenanthrene-d10	11.374	188	507013	20.00	ng	0.00
76) Chrysene-d12	14.010	240	383418	20.00	ng	0.00
86) Perylene-d12	15.474	264	383369	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	742047	85.59	ng	0.00
7) Phenol-d6	6.469	99	925348	80.48	ng	-0.01
23) Nitrobenzene-d5	7.404	82	587724	87.97	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	190649	82.44	ng	0.01
45) 2-Fluorobiphenyl	9.222	172	655010	50.15	ng	0.02
79) Terphenyl-d14	12.951	244	935370	42.70	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.475	94	59589	5.00	ng	91
31) Naphthalene	8.163	128	541328	29.31	ng	# 82
37) 2-Methylnaphthalene	8.869	142	1026811	84.04	ng	95
38) 1-Methylnaphthalene	8.969	142	871006	75.36	ng	# 99
49) Acenaphthylene	9.769	152	44977	2.51	ng	# 1
50) Dimethylphthalate	9.610	163	88659	6.28	ng	# 57
52) Acenaphthene	9.939	154	40552	3.49	ng	# 31
55) Dibenzofuran	10.110	168	79785	4.89	ng	# 1
58) Fluorene	10.445	166	151859	11.69	ng	# 78
71) Phenanthrene	11.398	178	290818	9.65	ng	# 95
75) Fluoranthene	12.580	202	98394	3.11	ng	94
78) Pyrene	12.810	202	121667	4.10	ng	95
83) Chrysene	14.033	228	54179	2.12	ng	# 92
88) Benzo(b)fluoranthene	15.045	252	72761m	2.71	ng	
90) Benzo(a)pyrene	15.410	252	54666	2.32	ng	# 68
92) Benzo(g,h,i)perylene	17.368	276	55282	2.77	ng	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

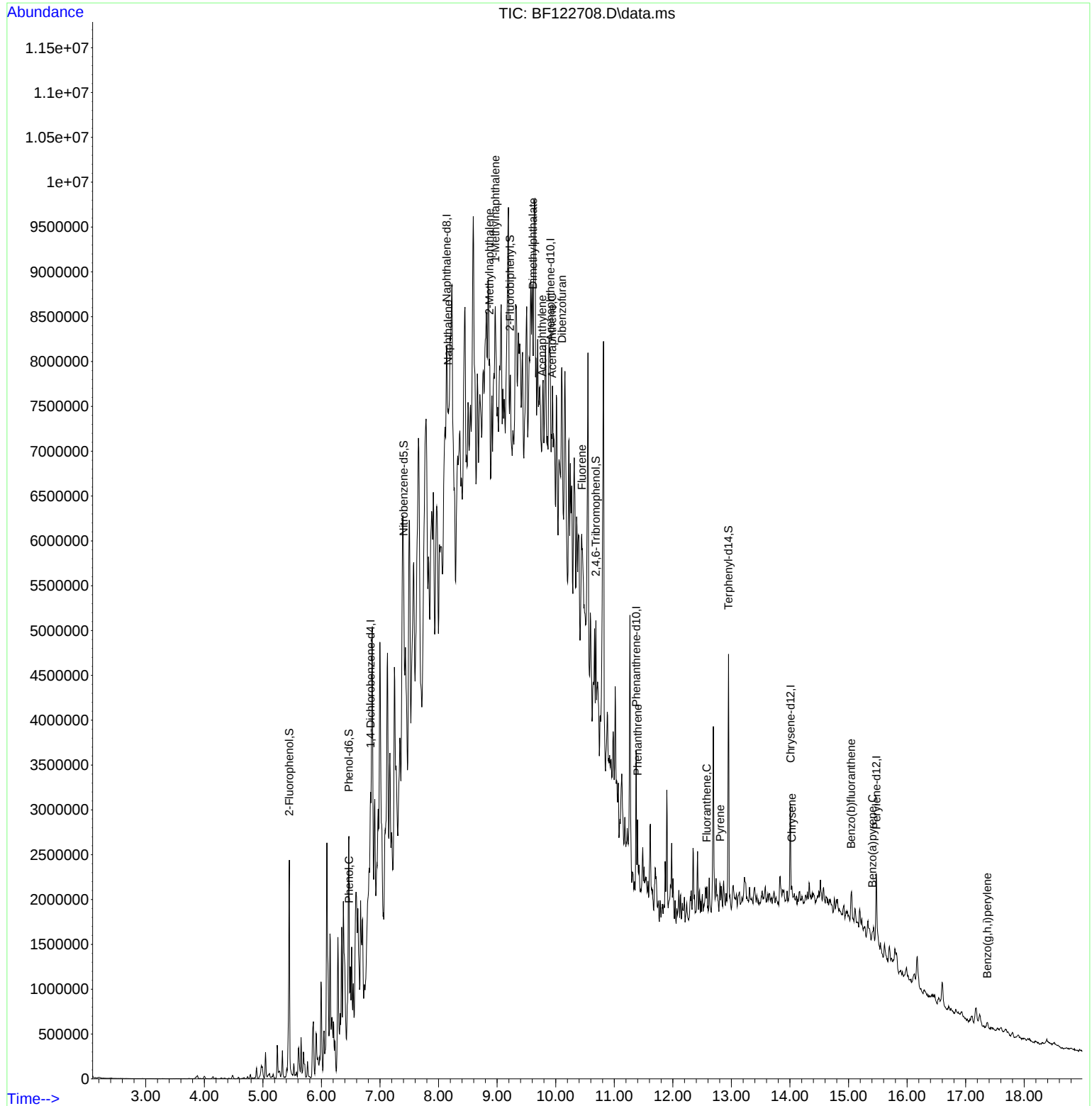
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
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ALS Vial : 15 Sample Multiplier: 1

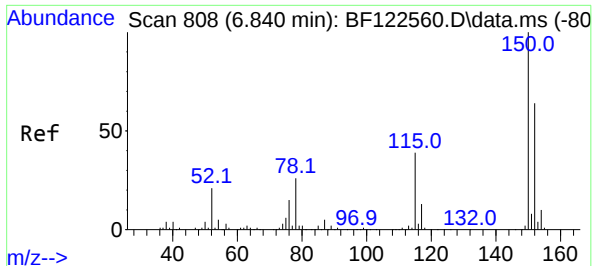
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#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21

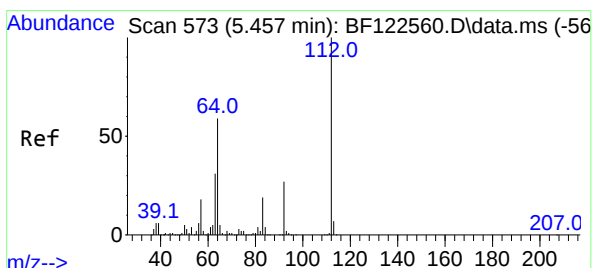
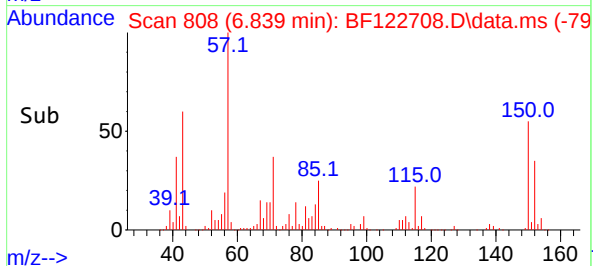
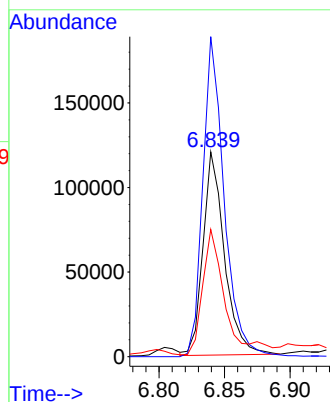
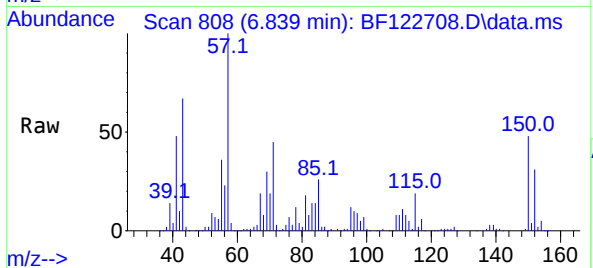
Tgt Ion:152 Resp: 137249

Ion	Ratio	Lower	Upper
152	100		
150	156.2	125.8	188.6
115	62.1	49.3	73.9

Instrument :
BNA_F
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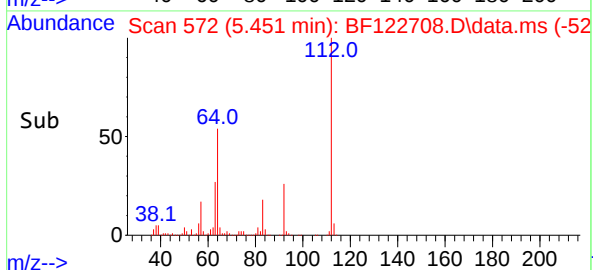
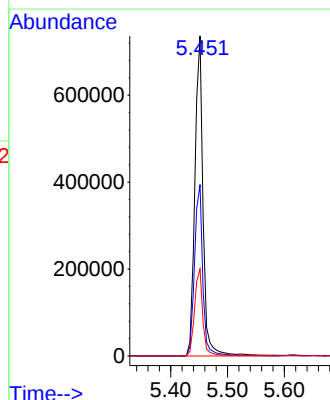
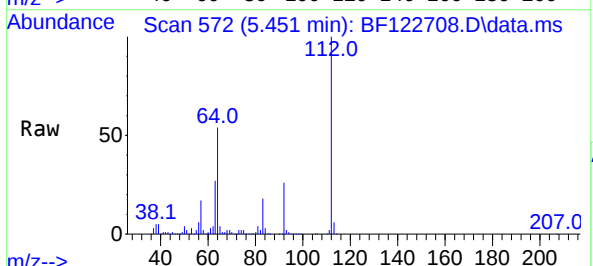
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#5
2-Fluorophenol
Concen: 85.59 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21

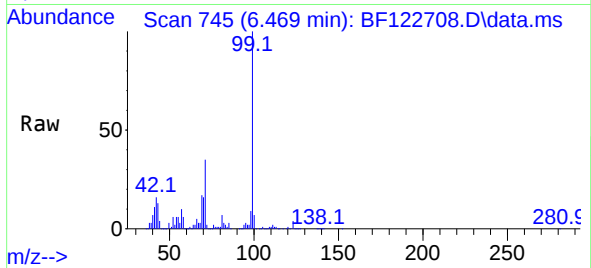
Tgt Ion:112 Resp: 742047

Ion	Ratio	Lower	Upper
112	100		
64	53.6	46.9	70.3
63	27.2	24.5	36.7

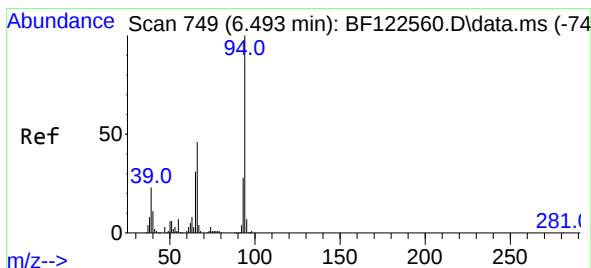
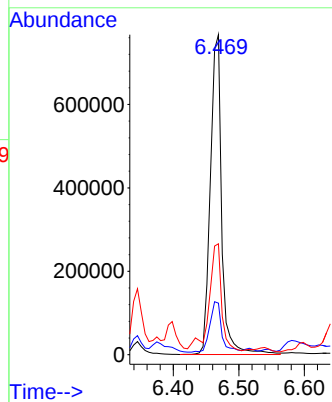
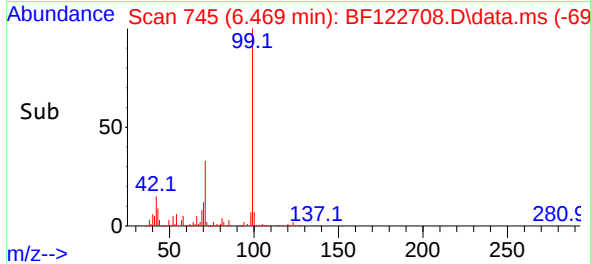




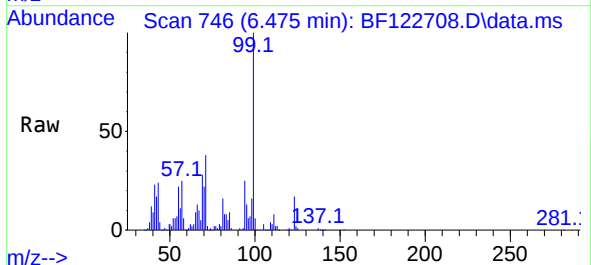
#7
Phenol-d6
Concen: 80.48 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21



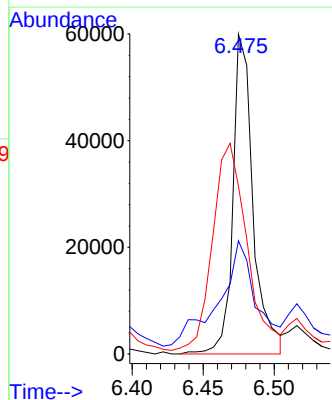
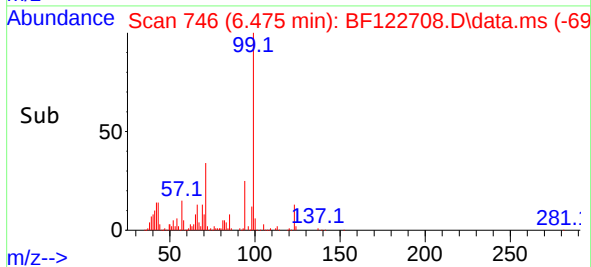
Tgt Ion: 99 Resp: 925348
Ion Ratio Lower Upper
99 100
42 16.1 13.8 20.6
71 34.6 26.9 40.3



#10
Phenol
Concen: 5.00 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.018 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21



Tgt Ion: 94 Resp: 59589
Ion Ratio Lower Upper
94 100
65 35.3 11.2 51.2
66 52.5 25.8 65.8



Instrument :
BNA_F
ClientSampleId :
JBD-BOLLARDS-0-6

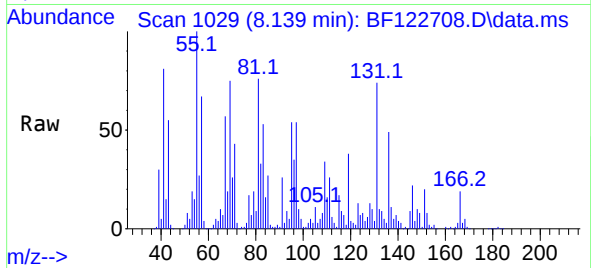
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.012 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21

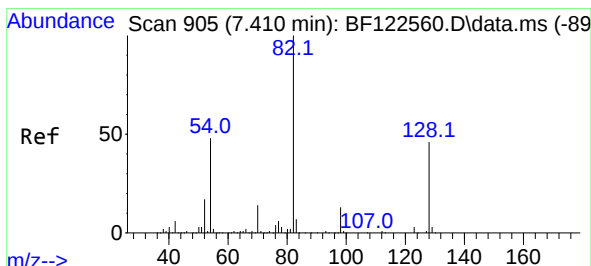
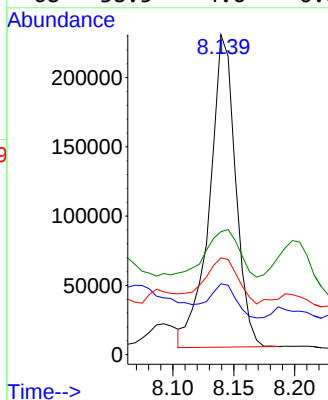
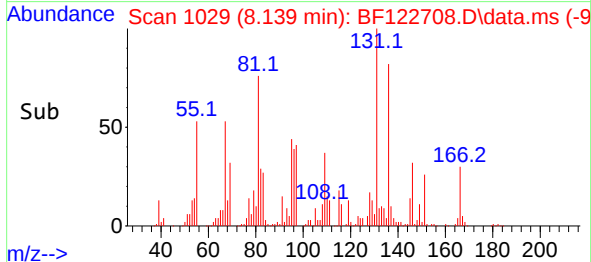
Instrument :
BNA_F
ClientSampleId :
JBD-BOLLARDS-0-6



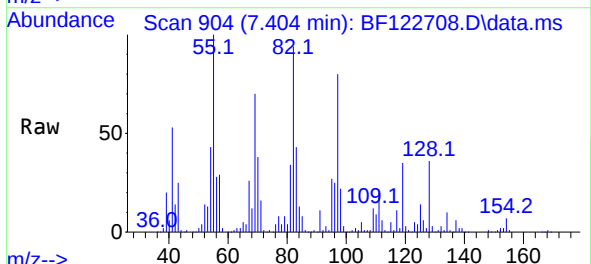
Tgt Ion:136 Resp: 334717
Ion Ratio Lower Upper
136 100
137 22.1 8.8 13.2#
54 30.2 5.5 8.3#
68 38.5 4.6 6.8#

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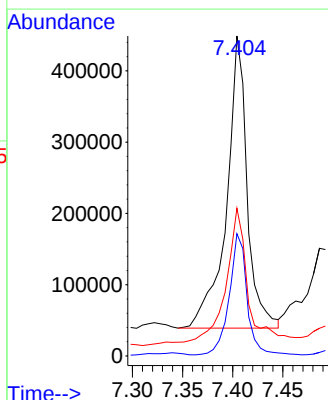
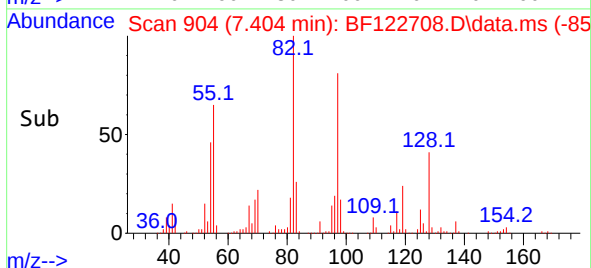
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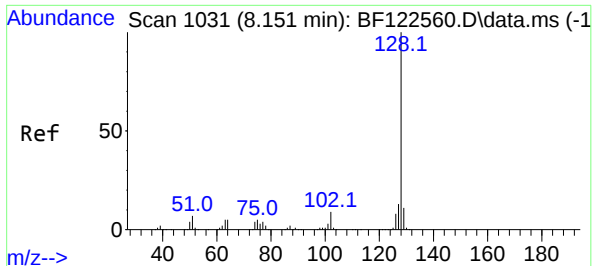


#23
Nitrobenzene-d5
Concen: 87.97 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21



Tgt Ion: 82 Resp: 587724
Ion Ratio Lower Upper
82 100
128 38.2 37.0 55.4
54 46.2 38.4 57.6





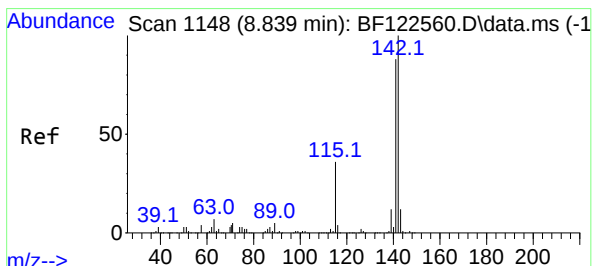
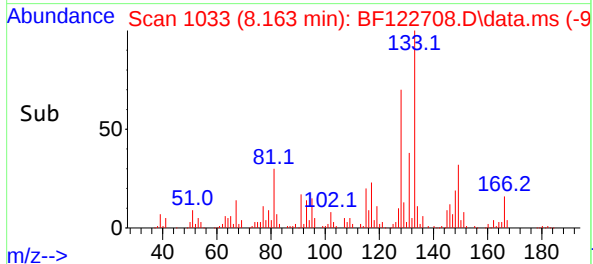
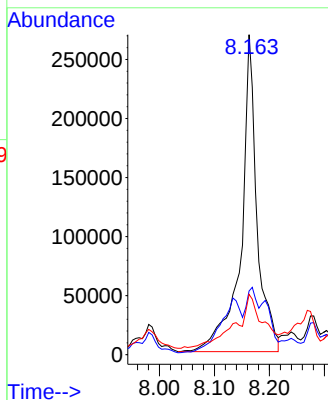
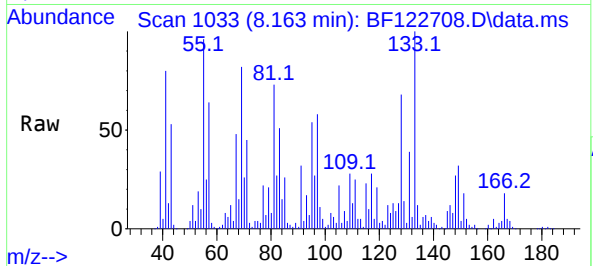
#31
Naphthalene
Concen: 29.31 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.012 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21

Tgt Ion:128 Resp: 541328
Ion Ratio Lower Upper
128 100
129 19.9 9.0 13.6#
127 18.8 10.7 16.1#

Instrument :
BNA_F
ClientSampleId :
JBD-BOLLARDS-0-6

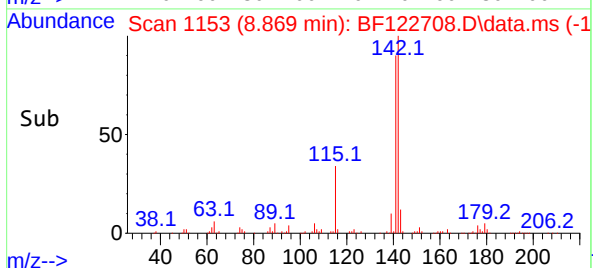
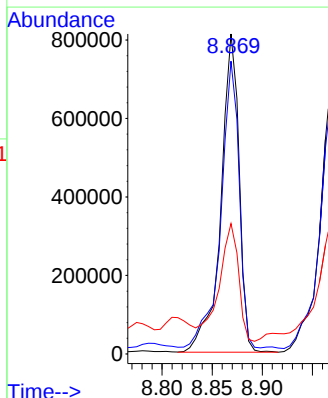
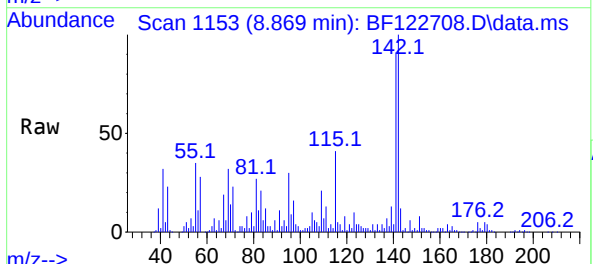
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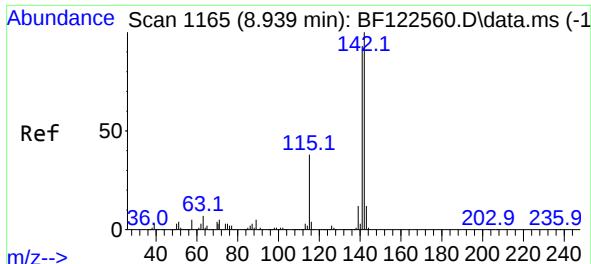
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#37
2-Methylnaphthalene
Concen: 84.04 ng
RT: 8.869 min Scan# 1153
Delta R.T. 0.029 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21

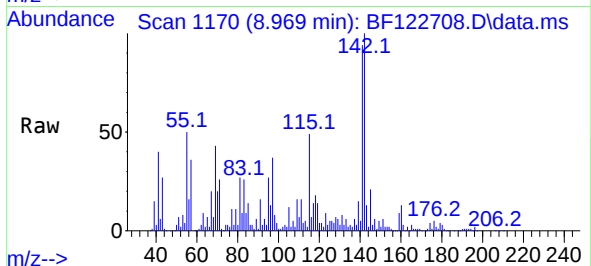
Tgt Ion:142 Resp: 1026811
Ion Ratio Lower Upper
142 100
141 91.5 70.6 106.0
115 40.7 28.7 43.1





#38
1-Methylnaphthalene
Concen: 75.36 ng
RT: 8.969 min Scan# 1170
Delta R.T. 0.029 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21

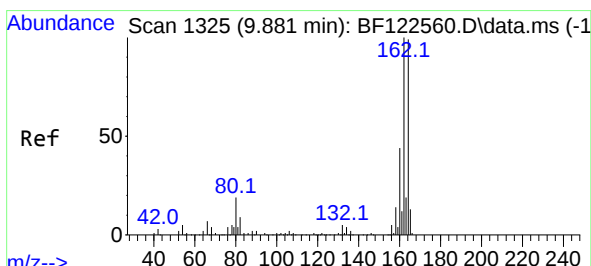
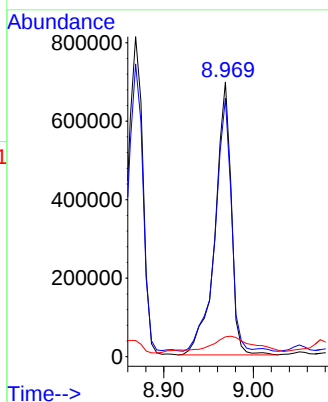
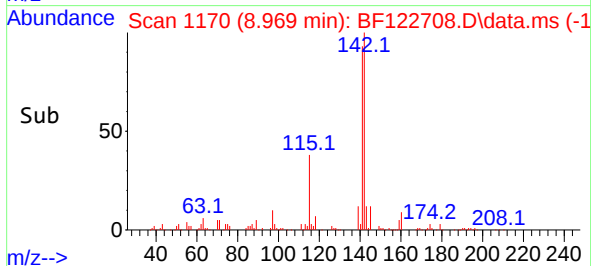
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JBD-BOLLARDS-0-6



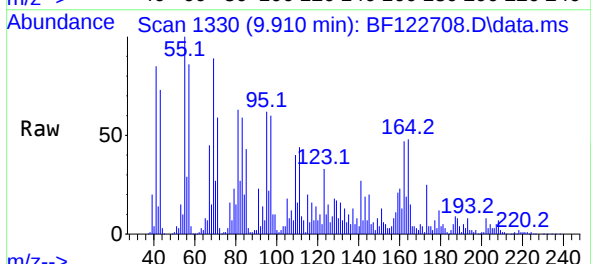
Tgt Ion:142 Resp: 871006
Ion Ratio Lower Upper
142 100
141 94.0 74.5 111.7
116 7.3 3.2 4.8#

Manual Integrations
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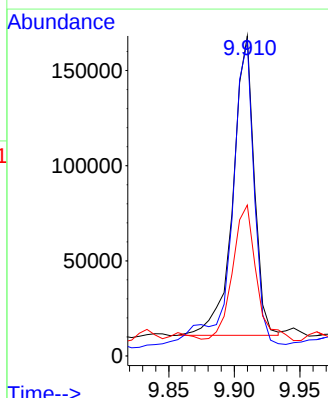
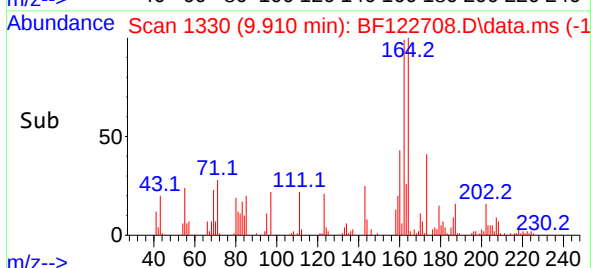
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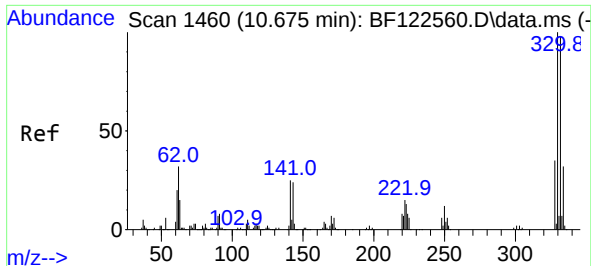


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.029 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21



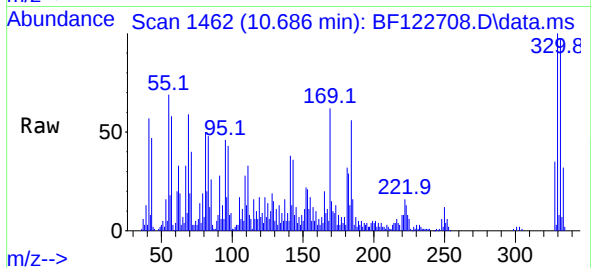
Tgt Ion:164 Resp: 176670
Ion Ratio Lower Upper
164 100
162 98.2 80.8 121.2
160 47.1 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 82.44 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.012 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21

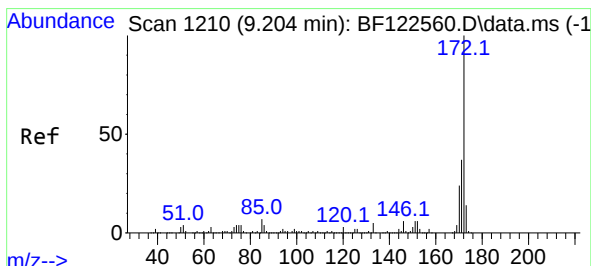
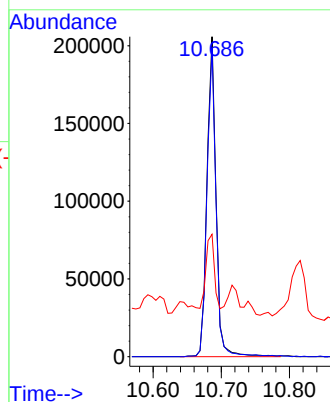
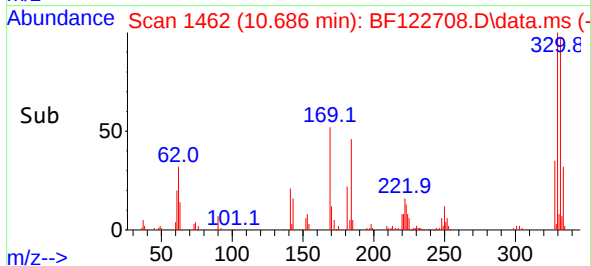
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JBD-BOLLARDS-0-6



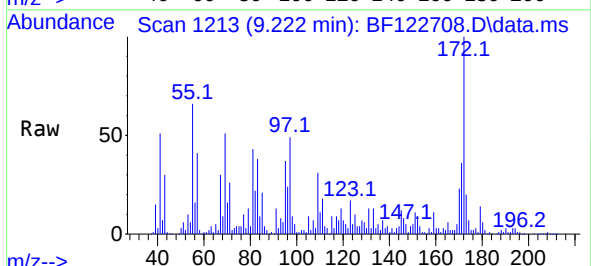
Tgt Ion: 330 Resp: 190649
Ion Ratio Lower Upper
330 100
332 96.0 77.5 116.3
141 21.0 23.8 35.8#

Manual Integrations
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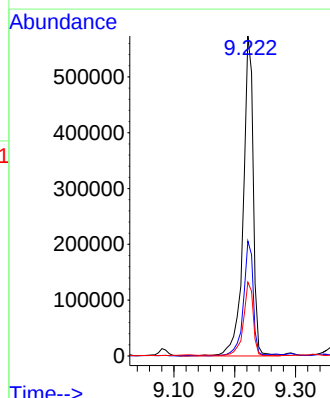
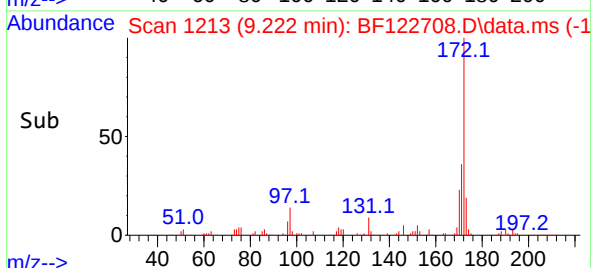
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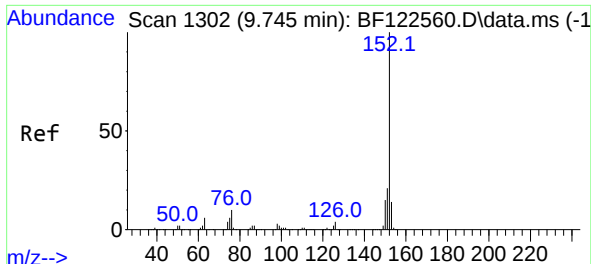


#45
2-Fluorobiphenyl
Concen: 50.15 ng
RT: 9.222 min Scan# 1213
Delta R.T. 0.018 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21



Tgt Ion: 172 Resp: 655010
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.1 19.5 29.3





#49

Acenaphthylene

Concen: 2.51 ng

RT: 9.769 min Scan# 1306

Delta R.T. 0.023 min

Lab File: BF122708.D

Acq: 14 Dec 2020 16:21

Tgt Ion:	152	Resp:	44977
Ion Ratio	Lower	Upper	
152	100		
151	81.0	16.6	25.0#
153	84.4	10.9	16.3#

Instrument :

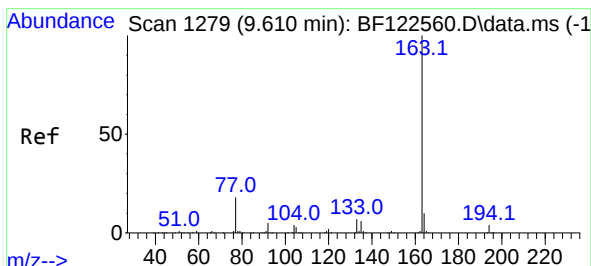
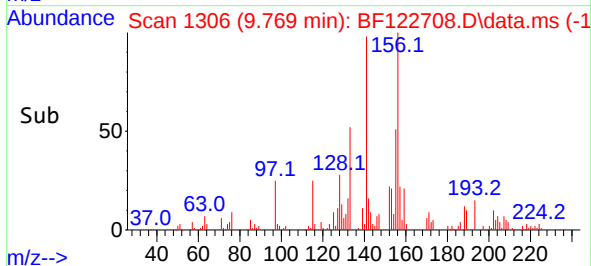
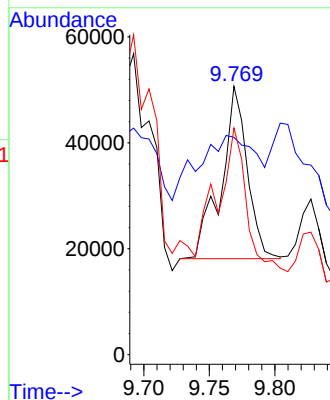
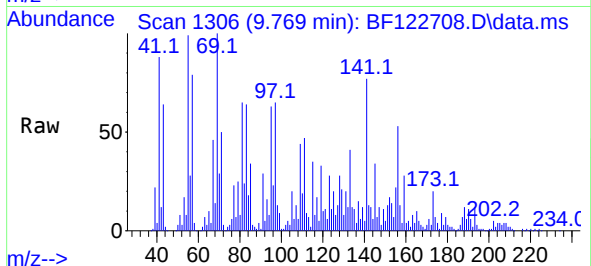
BNA_F

ClientSampleId :

JBD-BOLLARDS-0-6

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#50

Dimethylphthalate

Concen: 6.28 ng

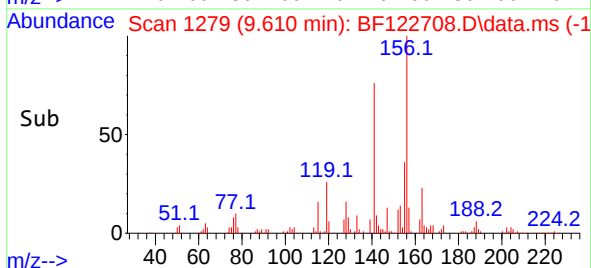
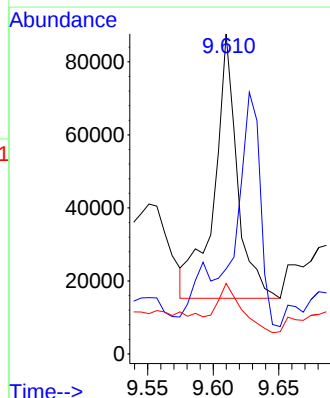
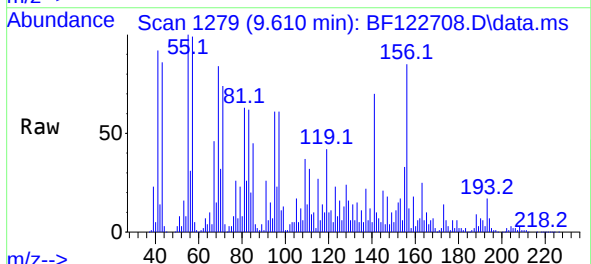
RT: 9.610 min Scan# 1279

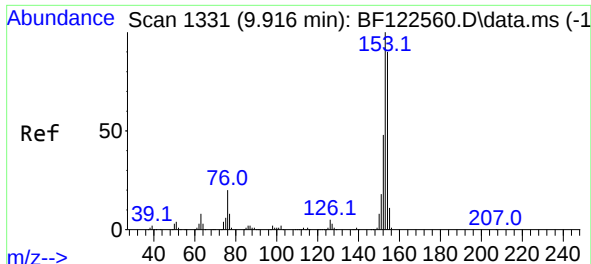
Delta R.T. -0.000 min

Lab File: BF122708.D

Acq: 14 Dec 2020 16:21

Tgt Ion:	163	Resp:	88659
Ion Ratio	Lower	Upper	
163	100		
194	26.6	3.4	5.0#
164	22.0	8.1	12.1#





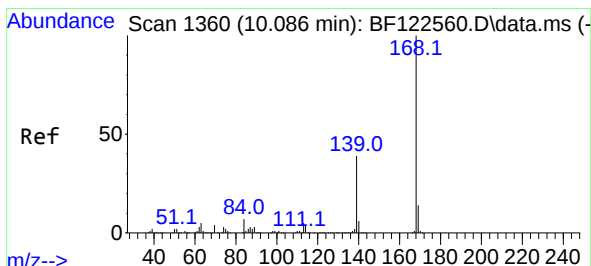
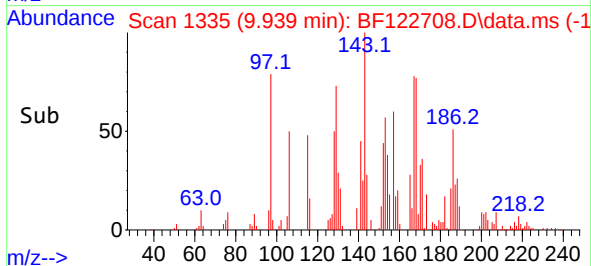
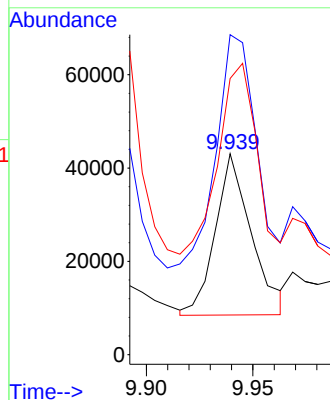
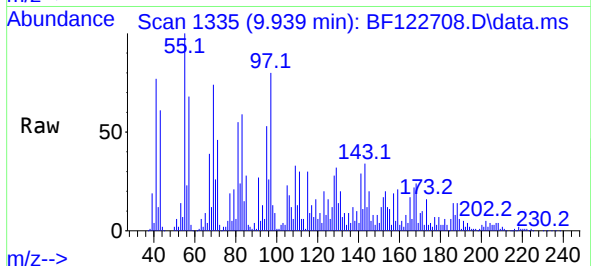
#52
Acenaphthene
Concen: 3.49 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.023 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21

Tgt Ion:154 Resp: 40552
Ion Ratio Lower Upper
154 100
153 159.3 89.0 133.6#
152 137.4 42.7 64.1#

Instrument :
BNA_F
ClientSampleId :
JBD-BOLLARDS-0-6

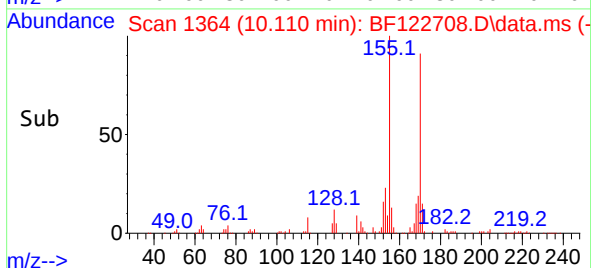
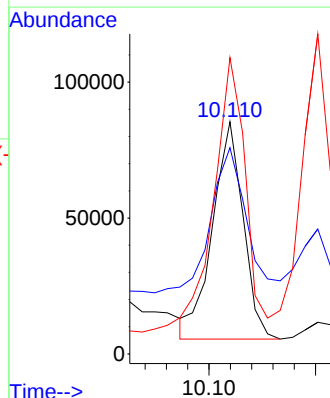
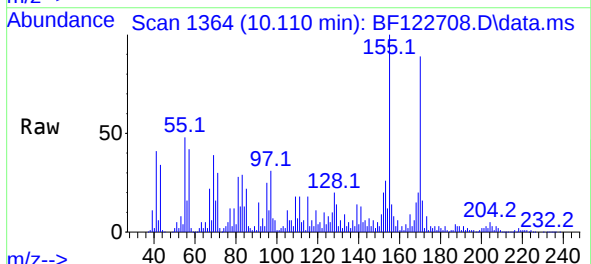
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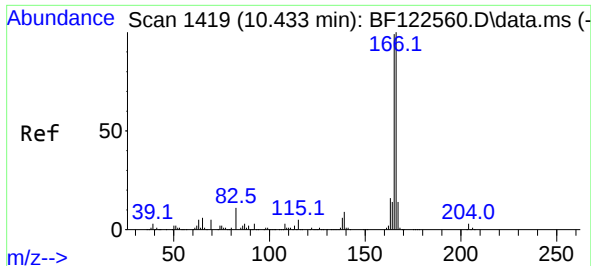
mohammad
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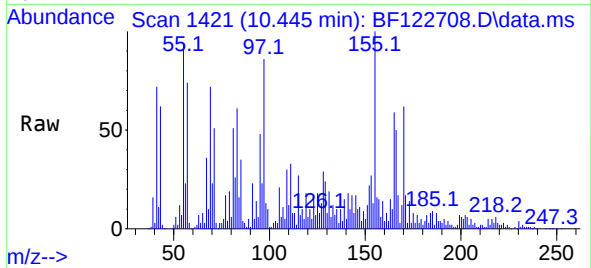
#55
Dibenzofuran
Concen: 4.89 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.023 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21

Tgt Ion:168 Resp: 79785
Ion Ratio Lower Upper
168 100
139 88.9 31.3 46.9#
169 127.6 11.2 16.8#

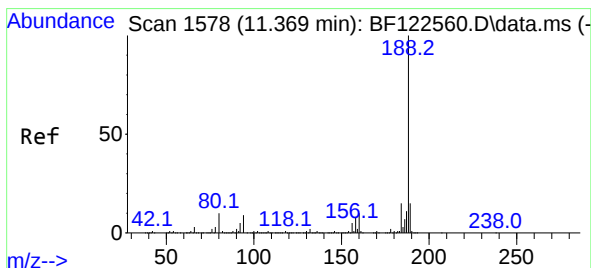
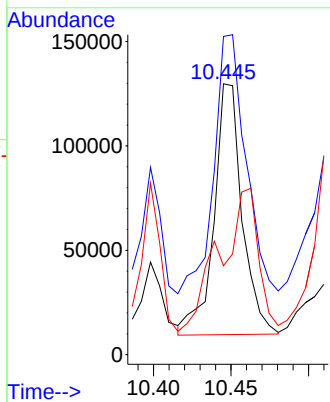
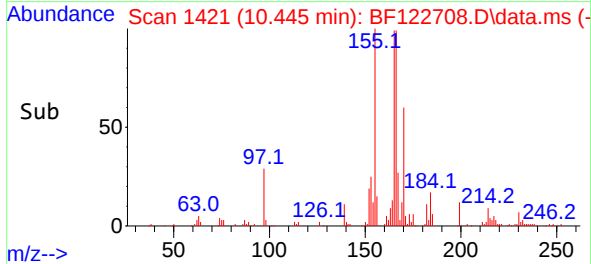




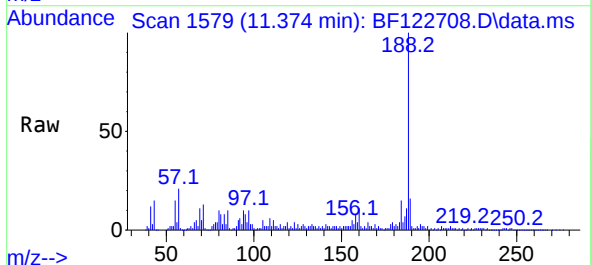
#58
Fluorene
Concen: 11.69 ng
RT: 10.445 min Scan# 1421
Delta R.T. 0.012 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21



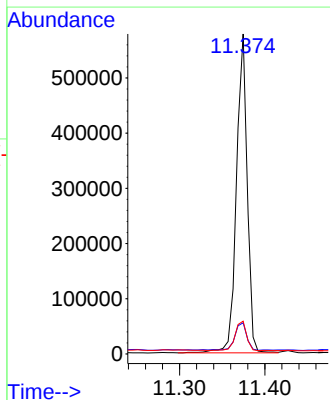
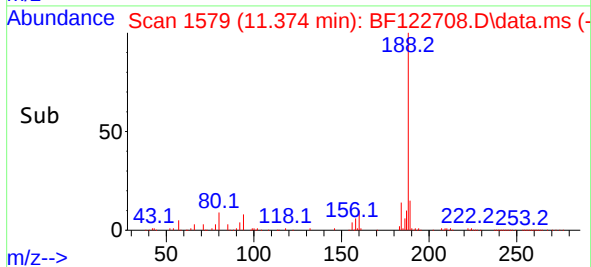
Tgt Ion:166 Resp: 151859
Ion Ratio Lower Upper
166 100
165 117.5 79.4 119.0
167 32.8 10.9 16.3#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21



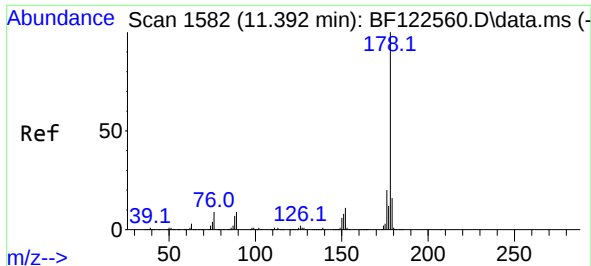
Tgt Ion:188 Resp: 507013
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 10.2 8.2 12.4



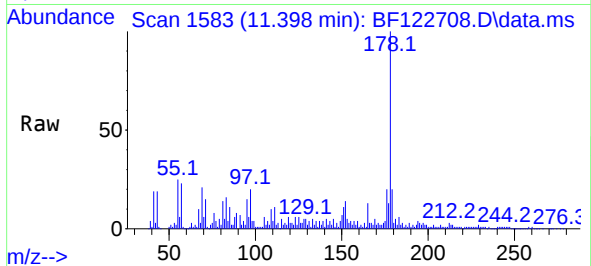
Instrument :
BNA_F
ClientSampleId :
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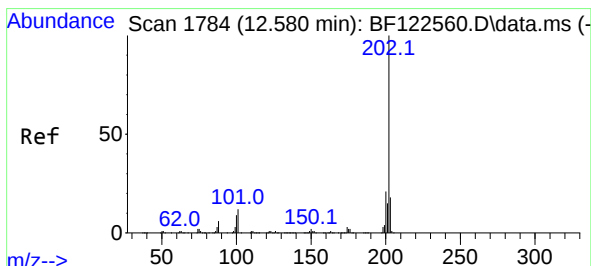
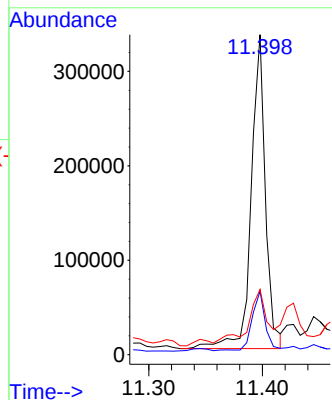
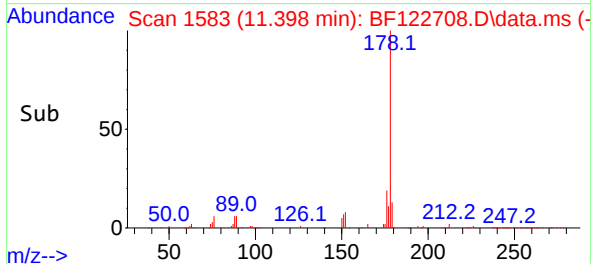
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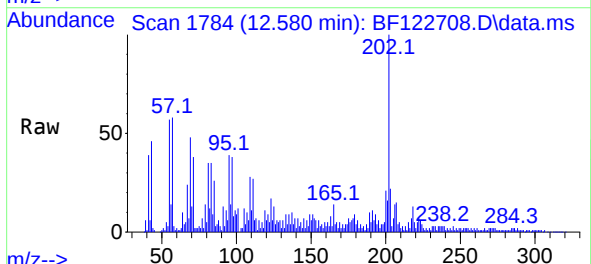
#71
Phenanthrene
Concen: 9.65 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.006 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21



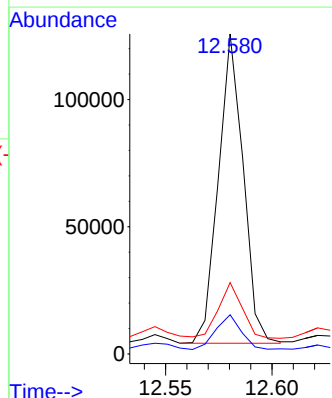
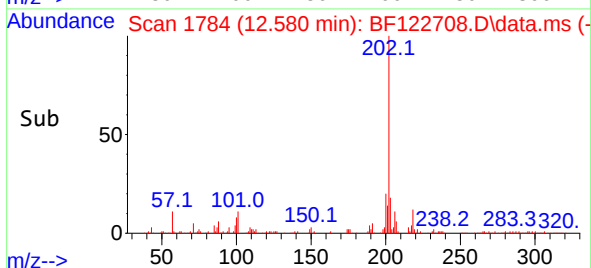
Tgt Ion:178 Resp: 290818
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 20.4 12.7 19.1#



#75
Fluoranthene
Concen: 3.11 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.000 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21



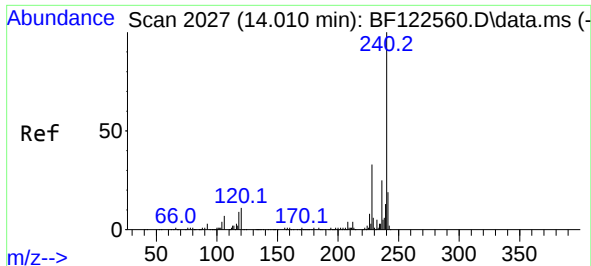
Tgt Ion:202 Resp: 98394
Ion Ratio Lower Upper
202 100
101 12.2 0.0 32.2
203 22.3 0.0 38.1



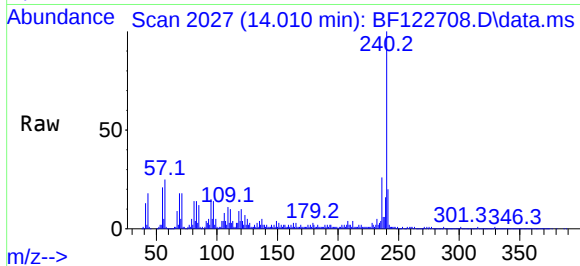
Instrument :
BNA_F
ClientSampleId :
JBD-BOLLARDS-0-6

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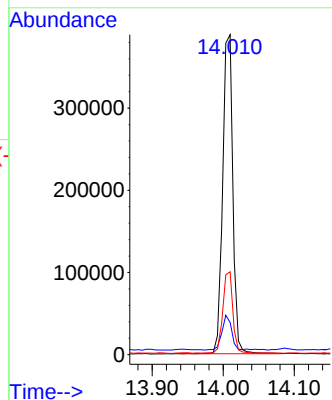
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21



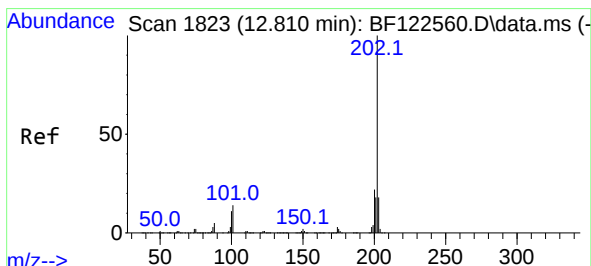
Tgt Ion:240 Resp: 383418
Ion Ratio Lower Upper
240 100
120 10.1 8.6 12.8
236 25.9 20.3 30.5



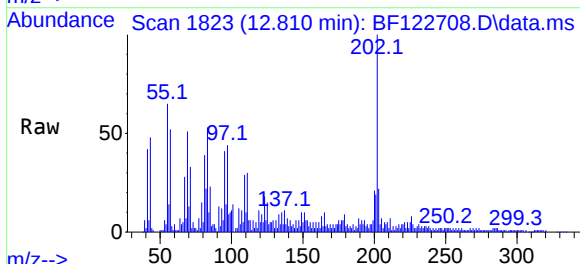
Instrument :
BNA_F
ClientSampleId :
JBD-BOLLARDS-0-6

Manual Integrations
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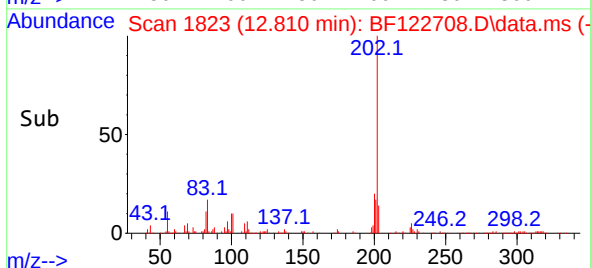
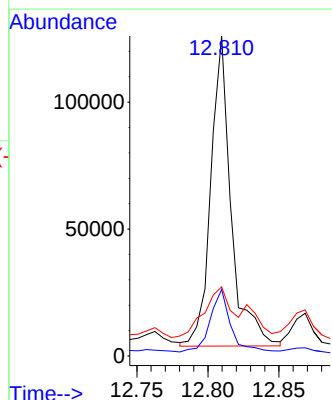
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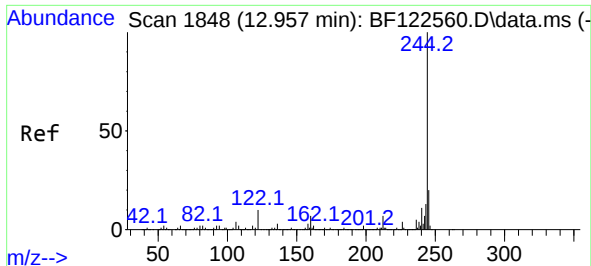


#78
Pyrene
Concen: 4.10 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21



Tgt Ion:202 Resp: 121667
Ion Ratio Lower Upper
202 100
200 20.8 17.6 26.4
203 21.6 14.6 21.8





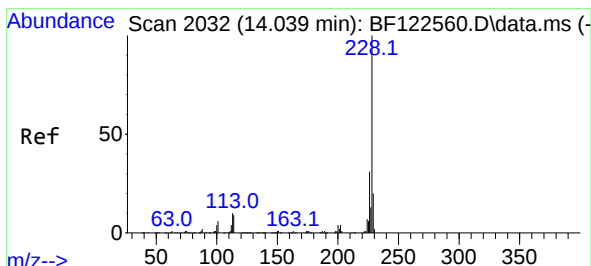
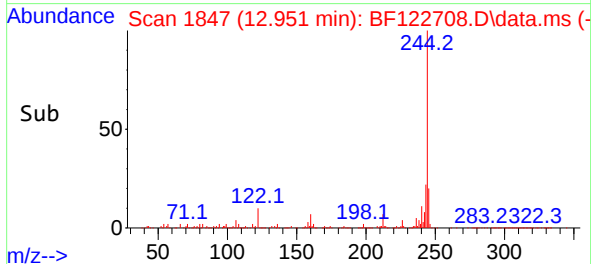
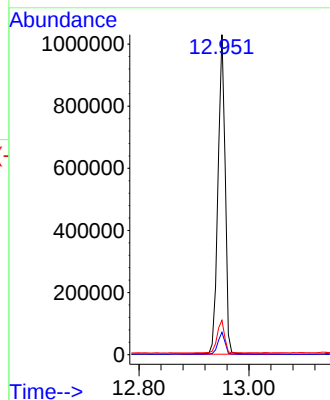
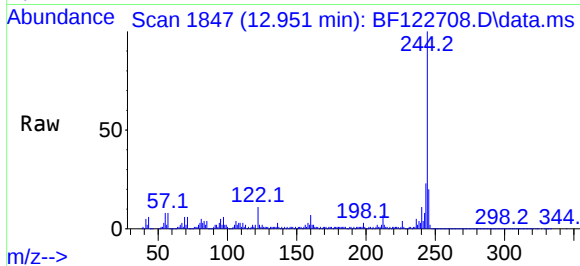
#79
Terphenyl-d14
Concen: 42.70 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21

Tgt Ion:244 Resp: 935370
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.8 8.3 12.5

Instrument :
BNA_F
ClientSampleId :
JBD-BOLLARDS-0-6

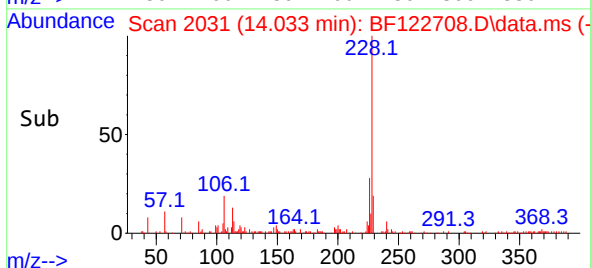
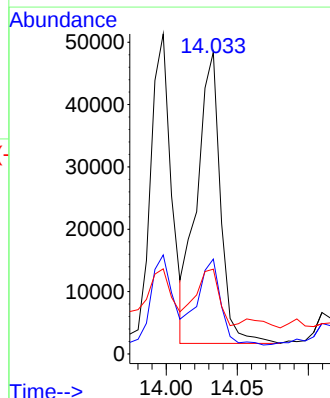
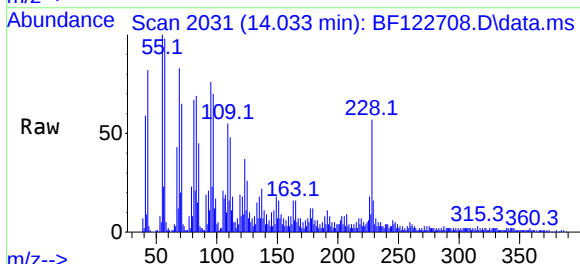
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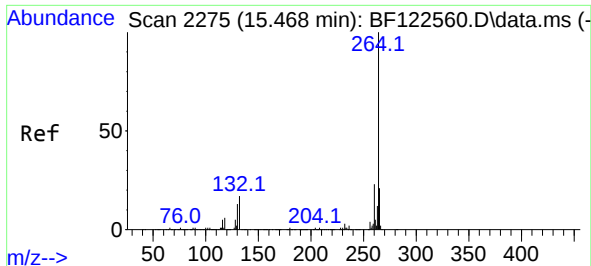
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#83
Chrysene
Concen: 2.12 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21

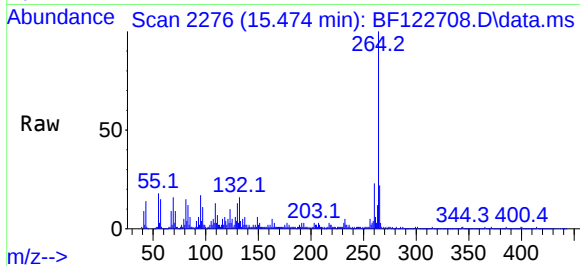
Tgt Ion:228 Resp: 54179
Ion Ratio Lower Upper
228 100
226 31.5 24.6 36.8
229 28.1 15.8 23.6#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21

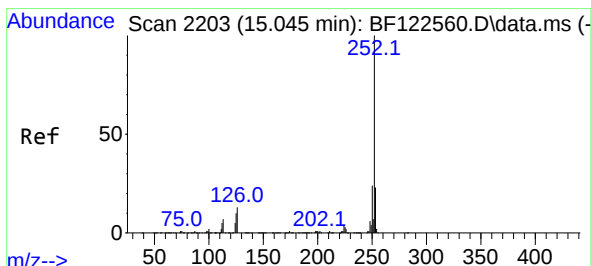
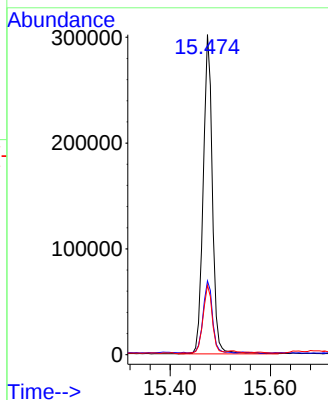
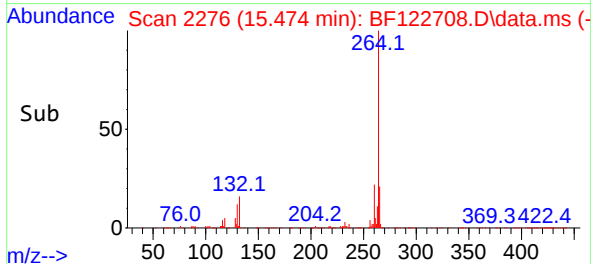
Instrument :
BNA_F
ClientSampleId :
JBD-BOLLARDS-0-6



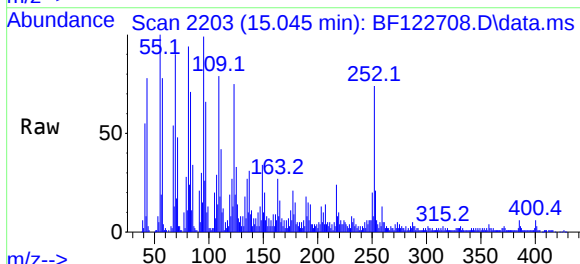
Tgt Ion:264 Resp: 383369
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 21.7 17.0 25.6

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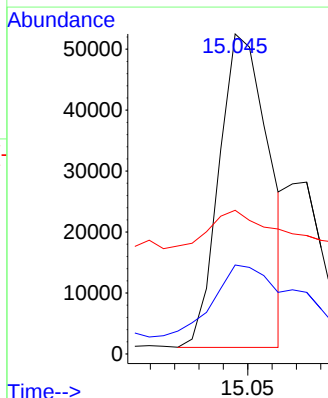
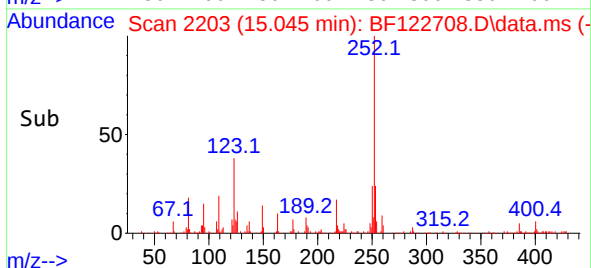
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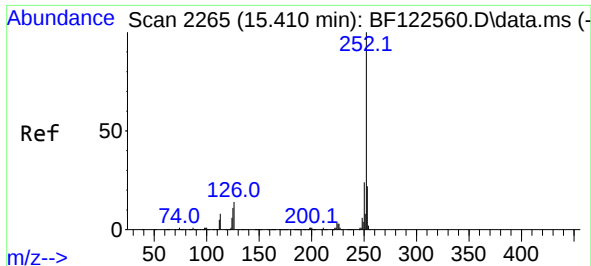


#88
Benzo(b)fluoranthene
Concen: 2.71 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21

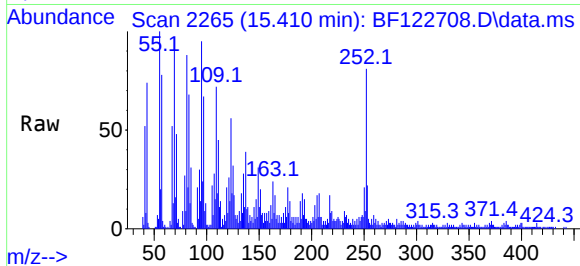


Tgt Ion:252 Resp: 72761
Ion Ratio Lower Upper
252 100
253 27.8 18.3 27.5#
125 44.9 8.1 12.1#

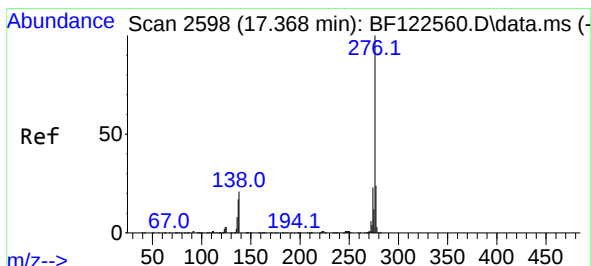
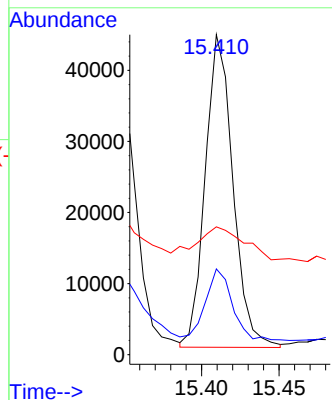
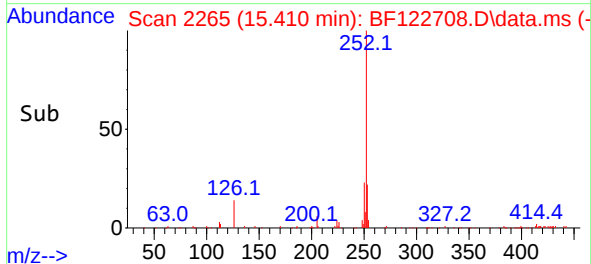




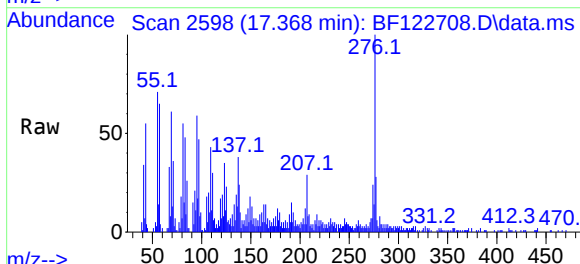
#90
Benzo(a)pyrene
Concen: 2.32 ng
RT: 15.410 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21



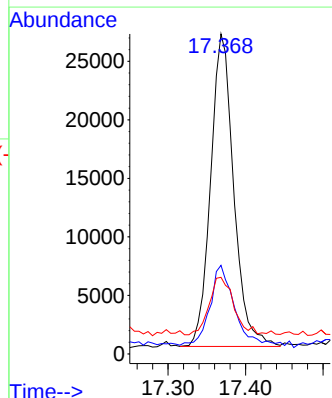
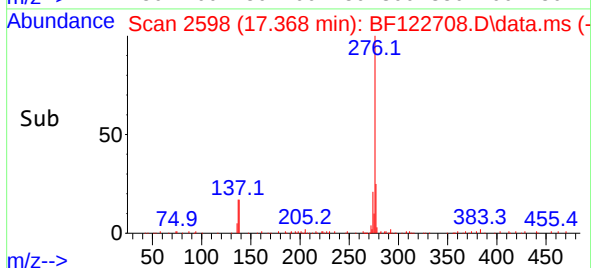
Tgt Ion:252 Resp: 54666
Ion Ratio Lower Upper
252 100
253 26.8 17.5 26.3#
125 40.0 8.6 12.8#



#92
Benzo(g,h,i)perylene
Concen: 2.77 ng
RT: 17.368 min Scan# 2598
Delta R.T. -0.000 min
Lab File: BF122708.D
Acq: 14 Dec 2020 16:21



Tgt Ion:276 Resp: 55282
Ion Ratio Lower Upper
276 100
277 27.7 19.3 28.9
138 23.9 16.6 24.8



Instrument :
BNA_F
ClientSampleId :
JBD-BOLLARDS-0-6

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